- 25. The method of Claim 24, wherein the polyethyleninine derivative targets the mannose receptor found on the suface of antigen presenting cells.
- 26. The method of Claim 25, wherein the derivative is mannosylated polyetheylenimine.
- 27. The method of Claim 26, wherein the mannosylated polyethylenimine is derived from a linear PEI 22 kDA.
- 28. The method of Claim 23, wherein the complex is electrostatically neutral. (page 25, lines 9-32).
- 29. The method of Claim 23, wherein the complex comprises about 3-10:1 molar equivalent polyethylenimine or polyethylenimine derivative amine per DNA phosphate ratio. (page 25, lines 26-27, page 24).
- 30. The method of Claim 23, wherein the complex comprises about 5:1 molar equivalent polyethylenimine or polyethylenimine derivative amine per DNA phosphate ratio. (page 25, lines 26-27, page 24).
- 31. The method of Claim 23, wherein the gene delivery complex is formulated in a glucose solution.
- 32. The method of Claim 31, wherein the glucose solution is about 5-10% glucose.
- 33. The method of Claim 32, wherein the glucose solution is about 8% glucose.
- 34. The method of Claim 23, further comprising the step of activating the antigen presenting cells of the skin or mucosa surfaces of the animal.
- 35. The method of Claim 34, wherein the activating step is performed by receptor stimulation, toxin activation, or tissue or cell injury.
- The method of Claim 23, wherein the immunogenic protein is derived from a reversetranscriptase dependent virus.